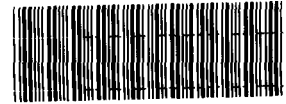


**Rocky Mountain  
Remediation Services, L L C**  
*protecting the environment*

Rocky Flats Environmental Technology Site  
P.O. Box 461  
Golden, Colorado 80402-0461  
Phone (303) 966-7000



000110980

February 16 2000

00-RF-00589

CORRES CONTROL  
LTR NO

00-RF-00589

DIST	LTR	ENC
Burdelik WJ		
Crawford AC		
Dunstan LA		
Fiehweg RE	X	X
Hayes WL		
Huffman FM	X	X
Hughes FP		
Ingersoll WE		
Law ED		
Law JE	X	
McPherson R		
Motyl KM	X	X
Paton IB		
Rukavina F	X	X
Corres Control	X	X
RMRS CC	X	X
Traffic		

CLASSIFICATION		
UCNI		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

Authorized Classifier  
Signature

DOCUMENT CLASSIFICATION

REVIEW WAIVER PER

Exemption # CEX 072 99

Date \_\_\_\_\_

IN REPLY TO RFP CC NO

ACTION ITEM STATUS  
 \_\_\_ OPEN \_\_\_ CLOSED  
 \_\_\_ PARTIAL

## LTR APPROVALS

Orig & Typist Initials

Alan D Rodgers

Division Manager, Waste & Remediation Operations

Kaiser-Hill Company, LLC

Building 130

TRANSMITTAL OF THE SITE'S ANNUAL SEWAGE SLUDGE REPORT AND THE SITE'S ANNUAL BIOSOLIDS REPORTING FORMS – JEL-0009-00

This letter transmits the Rocky Flats Environmental Technology Site's *Annual Sewage Sludge Report* and the Site's Annual Biosolids Reporting Forms for 1999. The *Annual Sewage Sludge Report* is due only to the Environmental Protection Agency (EPA), Region VIII. The Annual Biosolids Reporting Forms are due to both the EPA and the Colorado Department of Public Health and Environment (CDPHE). Both the report and the forms are due to the EPA and CDPHE by February 19, 2000. Draft cover letters for transmittal from Kaiser-Hill to DOE and from DOE to the agencies are attached (Attachment 1).

The *Annual Sewage Sludge Report* (Attachment 2) identifies the amount of biosolids generated at the Site's Wastewater Treatment Plant during calendar year 1999 and the metal concentrations in those biosolids. Results for all metals listed in Table 4 of 40 CFR § 503.13 are reported as required.

The Site's Annual Biosolids Reporting Forms (Attachment 3) for 1999 are also attached. The forms are requested annually by CDPHE. The EPA now has an on-line database for General Facility Information for sewage sludge generators. The database can be updated by email. A compact disc for DOE's electronic transmittal of the Site's updated reporting forms is enclosed.

Please direct questions to me at extension 4842 or F Rukavina at extension 7370

John E. Law Vice President  
Project Management and Water Operations

FR slm

Attachments  
As Stated

Enclosure  
As Stated

**ADMIN RECCRD**

**SW-A-004125**


 FEB 2000  
 RECEIVED  
 RECORDS CENTER

y 13

Date

DRAFT

00-RF-XXXX

Joseph A Legare  
Assistant Manager, Environmental Compliance  
DOE, RFFO  
Building 460

Attn J Stover

TRANSMITTAL OF THE SITE'S ANNUAL SEWAGE SLUDGE REPORT AND ANNUAL  
BIOSOLIDS REPORTING FORMS - RCN-XXX-00

The Rocky Flats Environmental Technology Site's (RFETS) *Annual Sewage Sludge Report* and the Site's Annual Biosolids Reporting Forms for 1999 are attached. The Site did not land apply biosolids during 1999. The sludge report and biosolids reporting forms are due to the regulators annually by February 19.

The *Annual Sewage Sludge Report* is due only to the U S Environmental Protection Agency (EPA), Region VIII. The Annual Biosolids Reporting Forms are due to both the EPA and the Colorado Department of Public Health and Environment (CDPHE). Draft cover letters for transmittal from DOE to the agencies are attached.

The *Annual Sewage Sludge Report* identifies the amount of biosolids generated at the Site's Wastewater Treatment Plant during calendar year 1999 and the metal concentrations in those biosolids as listed in Table 4 of 40 CFR § 503.13. The EPA now has an on-line database for General Facility Information for sewage sludge generators. The database will be updated by email. A compact disc of the Site's updated reporting forms is enclosed.

Please direct questions to me at extension 4663 or F Rukavina at extension 7370.

Robert C Nininger  
K-H Compliance & Performance Assurance

RCN XXX

Attachments  
As Stated

Enclosure  
As Stated

cc

2

Date

DRAFT

Mr. Steve Burkett, Chief  
Compliance Branch  
Water Management Division  
U S Environmental Protection Agency, Region VIII  
999 18<sup>th</sup> Street, Suite 500  
Denver, Colorado 80202-2405

TRANSMITTAL OF THE SITE'S ANNUAL SEWAGE SLUDGE REPORT

Dear Mr. Burkett

This letter transmits the Rocky Flats Environmental Technology Site's *Annual Sewage Sludge Report* as required in 40 CFR § 503. The report identifies the amount of biosolids generated at the Site's Wastewater Treatment Plant during calendar year 1999 and the metal concentrations in those biosolids. Results for all metals listed in Table 4 of 40 CFR § 503.13 are reported.

If you have questions or comments concerning this report, please contact John Stover of my staff at (303) 966-9735.

Sincerely,

Joseph A. Legare  
Assistant Manager, Environmental Compliance

JAL xxx

Attachment  
As Stated

Date

DRAFT

Robert B Brobst  
U S Environmental Protection Agency – P2-W-P  
999 18<sup>th</sup> Street, Suite 500  
Denver, Colorado 80202-2405

Lori Tucker  
Biosolids Management Program  
CDPH&E, Water Quality Control Division, WQCD-PE-B@  
4300 Cherry Creek Drive  
Denver, CO 80246-1530

Dear Mr Brobst and Ms Tucker

Enclosed are the Rocky Flats Environmental Technology Site's (Site) Annual Biosolids Reporting forms for 1999. The Site has also completed the General Facility Information for USDOE Rocky Flats Plant CO0001333 on EPA's on-line database.

The Site's routine *Annual Sewage Sludge Report* has been submitted to EPA, Region VIII, under separate cover.

If you have any questions or concerns, please contact John Stover at (303) 966-9735.

Sincerely,

Joseph A Legare, Assistant Manager  
Environmental Compliance

JAL xxx

Enclosure  
As Stated

cc w/Encl  
J Dion, ECD, RFFO  
R E Fiehweg, RMRS  
F Huffman, RMRS  
F Rukavina, RMRS  
J Stover, ELD, RFFO

4



# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

## ANNUAL BIOSOLIDS REPORTING FORMS 1999

**GENERAL FACILITY INFORMATION**  
**USDOE ROCKY FLATS PLANT**  
**CO0001333**

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Report Submitted 02/19/2000

Permit No CO0001333 EPA ID Code CO7890010526

Alternate Permit

Facility USDOE ROCKY FLATS PLANT  
Region VIII

Authority Name EPA  
Use for Analysis

Hydrologic Unit 1019003  
Field Office

Latitude 39 892  
Plant Type TWTDS

Longitude 105 192

Facility Physical Address

Street P O BOX 92B

City/St GOLDEN, CO

County UNITED STATES

Zip Code 80402-0928

Phone 303-966-5918

Facility Mailing Address

Street P O BOX 92B

City/St GOLDEN, CO

Phone 303-966-5918

Zip Code 80402-0928

Operator-in-charge FRANK M HUFFMAN

Phone 303-966-6290

License# 1117

Title FACILITY MANAGER

Fax 303-966-3397

Certification Grade A

Responsible Official A CLEGG CRAWFORD

Title PRESIDENT

Contact Person ROBERT E FIEHWEG

Title SR PRINCIPAL ENV SCIENTIST

E-mail ROBERT.FIEHWEG@RFETS.GOV

Phone 303-966-7403

Fax 303-966-7991

Permit Issued 11/26/1984

Permit Expires 06/30/1989

Last Inspection Date 06/01/1998

Influent Flow (MGD) 0 12

Influent BOD 37 00

Influent TSS 53 00

Activity Status? (A/I) A

Major/Minor? N

Pretreatment? (Y/N) N

Indian Lands? (Y/N) N

Class 1? (Y/N) N

Report Required? (Y/N) N

Facility send biosolids out of state? (Y/N) Y

CO0001333

Amount of Use	(Majority/Occasional)	M
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**BIOSOLIDS TREATMENT PROVIDED (No of Units)**  
**USDOE ROCKY FLATS PLANT**  
**CO0001333**

**Facility**                      **USDOE ROCKY FLATS PLANT**

**Permit No**    **CO0001333**

**THICKENING**

1	Gravity	1
2	DAF	0
3	Centrifuge	0
4		0

**DEWATERING**

15	Vacuum Filter	0
16	Pressure Filter	0
17	Belt Filter	1
18	Drying Bed	6
19	Drying Lagoon	0
20	Heat Drying	0
21	Centrifuge	0
22		0

**STABILIZATION**

5	Aerobic Dig	0
6	Anaerobic Dig	2
7	Heat Treat	0
8	Wet Oxidation	0
9	Chemical (Lime) Stab	0
10	Composting	0
11	Biosolids Lagoons	0
12		0

**OTHER**

23	Wastewater Lagoon	0
24	Mixing of Biosolids	0
25	Oxidation Ditch	0
26	Incineration	0
27	Septage	0
28		0

**CONDITIONING**

13	Chemical Cond	0
14		0

FINAL USE/DISPOSAL PRACTICES (dmt/yr) FOR MONITORING YEAR 1999

ROCKY FLATS

CO0001333

TOTAL ANNUAL PRODUCTION (Predigestion)	0 00		
TOTAL ANNUAL PRODUCTION (Postdigestion)	35 05		
LAND APPLICATION (Total)	0 00		
Bulk Biosolids	0 00	Derived Material	0 00
Agricultural Land	0 00	Agricultural Land	0 00
Range Land	0 00	Range Land	0 00
Forest	0 00	Forest	0 00
Public Contact Site	0 00	Public Contact Site	0 00
Reclamation Site	0 00	Reclamation Site	0 00
Sold or Given Away	0 00	Sold or Given Away	0 00
Lawn or Garden	0 00	Lawn or Garden	0 00
SURFACE DISPOSAL (Total)	0 00		
With Liner & LCS	0 00		
Without Liner & LCS	0 00		
LANDFILL (Total)	0 00		
Landfill Disposal	0 00	Landfill Cover	0 00
Landfill Name	0 00		
Does landfill meet 40CFR258? (Y/N)			
INCINERATION	0 00		
TRANSPORTED TO ANOTHER FACILITY(S)	35 05	RECEIVED FROM ANOTHER FACILITY(S)	0 00
Name	DOE NEVADA TEST SITE	Name	
Address	USDOE NEVADA OPERATIONS OFFICE	Address	
	P O BOX 98518		
State(s)	LAS VEGAS, NV 89193-8518	State(s)	
Phone	702-295-3521	Phone	
OTHER	0 00		
STORED	0 00		
CALCULATED PRODUCED	35 05		
LONG TERM TREATMENT	0 00		
Was land application used for any of the sites? (Y/N)	N		
Pathogen Certification? (Y/N/NA)	NA		
VAR Certification? (Y/N/NA)	NA		
Management Practice Certification? (Y/N/NA)	NA		
Landfill Certification? (Y/N/NA)	NA		

**MONITORING DATA SUMMARY**  
**USDOE ROCKY FLATS PLANT**  
**CO0001333**

Monitoring Year **1999**    Use/disposal Practice    **LF DISPOSAL**  
 No of Analysis required per monitoring year?    **1**  
 Approved methods? **Y**    All in dry weight? (Y/N)    **Y**    Required Metals? (Y/N)    **NA**

Pollutant	Average	Maximum	Analysis/yr	Comments
Arsenic (mg/kg)	7 85	8 20	2	
Cadmium (mg/kg)	9 90	11 30	2	
Chromium (mg/kg)	37 50	41 10	2	
Copper (mg/kg)	896 00	973 00	2	
Lead (mg/kg)	66 95	73 00	2	
Mercury (mg/kg)	7 25	11 00	2	
Molybdenum (mg/kg)	24 55	25 40	2	
Nickel (mg/kg)	24 05	25 80	2	
Selenium (mg/kg)	9 65	10 90	2	
Zinc (mg/kg)	2,170 00	2,540 00	2	
Fecal Coliform (#/g)	0 00	0 00	0	NOT REQUIRED
Salmonella (#/g)	0 00	0 00	0	NOT REQUIRED
Helminth OVA (#/g)	0 00	0 00	0	NOT REQUIRED
Enteric Virus (PFU/g)	0 00	0 00	0	NOT REQUIRED
Nitrite & Nitrate (%)	0 00	0 00	0	NOT REQUIRED
TKN (%)	0 00	0 00	0	NOT REQUIRED
Ammonia (%)	0 00	0 00	0	NOT REQUIRED
Solids (%)	0 00	0 00	0	NOT REQUIRED
Phosphorus (%)	0 00	0 00	0	NOT REQUIRED

Paint Filter Test? (P/F)    **P**    TCLP? (P/F)    **P**

INDIVIDUAL POLLUTANT RESULTS  
USDOE ROCKY FLATS PLANT  
CO0001333

Monitoring Year	Use/disposal Type	Sample Date	Pollutant	Cas#	Amount	Units	Comments
1999	LF DISPOSAL	10/12/99	SELENIUM	7782492	8 40	MG/KG	
		10/12/99	ZINC	7440666	1,800 00	MG/KG	
		10/12/99	BERYLLIUM	7440417	0 27	MG/KG	
		10/12/99	BERYLLIUM	7440417	0 32	MG/KG	
		10/12/99	ARSENIC	7440382	8 20	MG/KG	
		10/12/99	CADMIUM	7440439	11 30	MG/KG	
		10/12/99	CHROMIUM	7440473	41 10	MG/KG	
		10/12/99	COPPER	7440508	973 00	MG/KG	
		10/12/99	LEAD	7439921	73 00	MG/KG	
		10/12/99	MERCURY	7439976	11 00	MG/KG	
		10/12/99	MOLYBDENUM	7439987	25 40	MG/KG	
		10/12/99	NICKEL	7440020	25 80	MG/KG	
		10/12/99	SELENIUM	7782492	10 90	MG/KG	
		10/12/99	ZINC	7440666	2,540 00	MG/KG	
		10/12/99	ARSENIC	7440382	7 50	MG/KG	
		10/12/99	CADMIUM	7440439	8 50	MG/KG	
		10/12/99	CHROMIUM	7440473	33 90	MG/KG	
		10/12/99	COPPER	7440508	819 00	MG/KG	
		10/12/99	LEAD	7439921	60 90	MG/KG	
		10/12/99	MERCURY	7439976	3 50	MG/KG	
		10/12/99	MOLYBDENUM	7439987	23 70	MG/KG	
		10/12/99	NICKEL	7440020	22 30	MG/KG	

## Monitoring Year 1999

## VECTOR ATTRACTION REDUCTION

### Method Used

0	38% Volatile Solids Reduction	0
0	BENCH-Anaerobic Digestion	0
0	BENCH-Aerobic Digestion	0
0	Aerobic Digestion (SOUR)	0
0	Aerobic Process (14DAYGT40)	0
	Alkaline Stabilization (PH1222HR)	0
	Drying (%TSGT75)	0
	Drying (%TSGT90)	0
	Injection	0
	Incorporation	0
	Surface Disposal Daily Cover	0
	Domestic Septage Treatment	0
	UNDETERMINED	0

Equivalent PFRP	0
-----------------	---

Prior testing for Fecal Coliform	0
PSRP Method	0
1) aerobic digestion	
2) air drying	
3) anaerobic digestion	
4) composting	
5) lime stabilization	
999) no method reported	

Equivalent PSRP	0
-----------------	---

Class Undetermined	0
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Geometric Mean? (Y/N